

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

MIRACLE ET AL.

Atty. Ref.: 4314-15; Confirmation No. 1866

Appl. No. 10/581,998

TC/A.U. 1733

Filed: June 7, 2006

Examiner: ROE, J. R.

For: TITANIUM ALLOY MICROSTRUCTURAL REFINEMENT METHOD AND HIGH  
TEMPERATURE, HIGH STRAIN RATE SUPERPLASTIC FORMING OF TITANIUM  
ALLOYS

\* \* \* \* \*

November 10, 2011

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT**

In response to the Office Action, dated June 24, 2011, Applicants amend the above-identified application in the following manner:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2.

**Amendments to the Drawings** begin on page 7.

**Remarks/Arguments** begin on page 8.

**Replacement sheets of drawing figures** are attached following page 9.